



Technical Report for

GEI Consultants, Inc.

Canton Airport Canton MA

09382-2

Accutest Job Number: M91579U

Sampling Date: 05/20/10



GEI Consultants, Inc.

LLombardo@geiconsultants.com

ATTN: Leslie Lombardo

Total number of pages in report: 25



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235) This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.





September 16, 2010

Mr. Raymond Siegener, Ph.D. GEI Consultants 400 Unicorn Park Drive Woburn, MA 01801-1970

RE: Accutest Job M91579U (Revision 1)

Dear Mr. Siegener:

The final report for Accutest job number M91579U has been revised to include a case narrative description of the client-requested dilution of the sample M91579-62U.

Sincerely,

Mark Warren

Accutest Laboratories of New England, Inc.

Sections:

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Sample Summary

GEI Consultants, Inc.

Job No: M91579U

Canton Airport Canton MA Project No: 09382-2

Sample	Collected			Matr	rix	Client
Number	Date	Time By	Received	Code	Type	Sample ID
M91579-62U	05/20/10	10:04 SSH	05/21/10	so	Soil	093822-HS-AF-5.5





SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: GEI Consultants, Inc. Job No M91579U

Site: Canton Airport Canton MA Report Date 9/16/2010 1:40:10 PM

1 Sample was collected on 05/20/2010 and were received at Accutest on 05/21/2010 properly preserved, at 2.5 Deg. C and intact. These Samples received an Accutest job number of M91579U. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8082

Matrix: SO Batch ID: OP22635

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample M91579-62U was diluted with Ottowa sand prior to preparation and analysis. 130.28 grams (g) of sand was added to a 10.52 g aliquot of sample and homogenized thoroughly resulting in a dilution factor of 12.4.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (M91579U).





Sample Results		
Report of Analysis		
Report of Analysis		



Report of Analysis

Client Sample ID: 093822-HS-AF-5.5

 Lab Sample ID:
 M91579-62U
 Date Sampled:
 05/20/10

 Matrix:
 SO - Soil
 Date Received:
 05/21/10

 Method:
 SW846 8082
 SW846 3545
 Percent Solids:
 88.3

Project: Canton Airport Canton MA

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch Run #1 BE21089.D 1 09/13/10 CZ 09/13/10 OP22635 GBE1318

Run #2

Initial Weight Final Volume Run #1 15.3 g 10.0 ml

Run #2

MA Polychlorinated Biphenyls MCP List

CAS No.	Compound	Result	RL	Units Q	
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	ND	110	ug/kg	
11097-69-1	Aroclor 1254	ND	110	ug/kg	
11096-82-5	Aroclor 1260	562	110	ug/kg	
37324-23-5	Aroclor 1262	ND	110	ug/kg	
11100-14-4	Aroclor 1268	ND	110	ug/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
877-09-8	Tetrachloro-m-xylene	102%		30-150%	<u>,</u>
877-09-8	Tetrachloro-m-xylene	106%		30-150%	,)
2051-24-3	Decachlorobiphenyl	109%		30-150%	,
2051-24-3	Decachlorobiphenyl	116%		30-150%	

 $ND = \ Not \ detected$

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Parameter Certifications (MA)
- Chain of Custody
- MCP Form
- Sample Tracking Chronicle



Parameter Certification Exceptions Job Number: M91579U

Account: **GEI GEI Consultants, Inc. Canton Airport Canton MA Project:**

The following parameters included in this report are exceptions to NELAC certification.

The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Aroclor 1262	37324-23-5	SW846 8082	SO	Certified by SOP MGC204/GC-ECD
Aroclor 1268	11100-14-4	SW846 8082	SO	Certified by SOP MGC204/GC-ECD



Page 1 of 1

Chain-of-Custody Re	cord			Labora	tory:	Accutest			Laborator (Lab use only)	y Job#		Ma	15791
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(O)	Project Na	me: Cantor	1 Airport				Project I	Location: C	anton, MA			Page	1 of 9
GEI Consultants	Project Nu	ımber: 0938	32-2				Project I	Manager: A	Anne Leifer				•
400 Unicorn Park Drive	Send Repo	ort to:	Ray Sieg	ener			- Chr. 55050 a 30 hardway		Preservativ	/e			
Woburn, MA 01801 PH: 781.721,4000	i i		.,				l l					Samp	le Handling
FX: 781.721.4073	Send EDD	to: labdata	@geiconsu	ltants.com	1		None		Analysis			90	ples Field
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If Yes, Are MCP Analytical Methods If Yes, Are Drinking Water Samples	•		(YES)	NO	NA		manual						led Shipped Vith Ice
If Yes, Have You Met Minimum Field		m4=2	YES	(NO)	NA		a					1 _	_
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GEI Consultants	Project Nu	ımber: 0938	2-2					Project Mana	ger: An	ne Leifer		_ '	
400 Unicorn Park Drive Woburn, MA 01801	Send Repo	ort to:	Ray Sieg	ener						Preservative	 	Sample Handling	
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Yes, Are Drinking Water Samples			YES	NO	NA			manual]	With Ice	
Yes, Have You Met Minimum Fiel	d QC Requireme	nts?	(YES)	NO	NA		######################################					(YES) NO	
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	Project Na	me: Canton	Airport				Project Loca	ation: Canto	on, MA		Page 4 of 9
GEI Consultants	Project Nu	ımber: 0938	2-2				Project Man	ager: Anne	Leifer		1
400 Unicorn Park Drive Woburn, MA 01801	Send Repo	ort to:	Ray Sieg	ener				Pr	reservative		
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f Yes, Are MCP Analytical Methods Re	quired?		YES	NO	NA				:		Sampled Shipped
f Yes, Are Drinking Water Samples Su	bmitted?		YES	(NO)	NA		manual				With Ice
Yes, Have You Met Minimum Field C	C Requireme		(YES)	NO	NA		ାଞ୍ଜି≲ L				YES NO
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Page 4 of 10



Chain-of-Custody Red	ord			Labora	itory:	Accutest	The second secon		Laborator	y Job#		mais 79 U
			40	100 A	Pi	roject Inf	rmation		(Lab use only)			11915 79 0
<u></u>	Project N	ame: Canton		-			1	ocation: 0	Canton, MA		ALC: W. T. H. T. L. L. E. B.	Page 5 of 9
GELConsultants	Project N	umber: 0938:	2-2				Project N	lanager: A	nne Leifer			,
400 Unicorn Park Drive	Send Rep	ort to:	Ray Sieg	ener					Preservati	/e		
Woburn, MA 01801 PH: 781.721.4000							None					Sample Handling
FX: 781.721.4073	Send EDD	to: labdata@	geiconsu	tants.con	n		Hone	- 1	Analysis		en esta esta esta esta esta esta esta esta	Samples Field Filtered
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If Yes, Are MCP Analytical Methods F	lequired?		(YES)	NO	NA		So					Sampled Shipped
If Yes, Are Drinking Water Samples S	•		YES	(NO)	NA.		manual					With Ice
If Yes, Have You Met Minimum Field	QC Requireme	ents?	YES	NO	NA		by m tion					YES NO
Lab Sample		Collec	tlon		No. of	Sampler(္က ည					
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-56 093822- HS - 47	9		0956				X					
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	<u>.5 ~೬</u>		B 100	<u> </u>	<u> </u>		×					
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Relinquished by (signature)	Date :	Time:	2. Received by:	m	y Co			Additi	onal Requir	ements/Co	omments/	Remarks:
Torbaid	5/21/1		2 \	.5n//0	~ . n	n	MANUAL S	OXLET EXT	RACTION REQUI	RED.		
Relinquished by: (signature)	Date :	Time:	Received by:	(signature)	4/10	<u> </u>	DCB BATT	C ADDL V	_	-		
4. Will Smill	6/21/10	1525	4. 1 2	No.	1.1		DCR RATE	S APPLY.				
				20,- 6	- cen		CALIT	YAL-P	dential	olevala	a B Pr	A.
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Page 5 of 10



Chain-of-Custody	Record				Labora	atory:	Acc	cutest				Labo (Lab use	ratory .	lob#		M91579
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	Projec	t Name:	Canton A	irport					Projec	t Loca	ition: C	anton,	MA			Page 6 of 9
GEI Consultants	Projec	t Numbe	r: 09382-	2					Projec	et Mana	ager: A	nne Le	ifer			
400 Unicorn Park Dri	- ISCHU	Report to:	F	Ray Siege	ener								rvative		**	
Woburn, MA 01801 PH: 781.721.4000																Sample Handling
FX: 781.721.4073	Send	EDD to: I	abdata@g	geiconsul	tants.con	η			None			Δn	alysis			Samples Field Filtered
MCP PRESUMPTIVE CERTA	NTY REQUIRED	- (YI	s) NO)			1.0		2010/00/2010				yo.o	Т	101931 (2006)	YES NO NA
Yes, Are MCP Analytical Me	hods Required?		(YES	NO	NA	1838		soxlet					l		
f Yes, Are Drinking Water Sar			`	YES	(NO)	' NA			manual							Sampled Shipped With Ice
Yes, Have You Met Minimun	•	ements?		YES	NO	NA.			y mg							(YES) NO
Lab Sample	il.		Collection			2			PCBs by I							100
	Sample ID		Date	Time	Matrix	No. of Bottles		npler(s) titials	PCBs extract					ł		Sample Specific Rema
-60 093822-HS-		5/		1003	So	1	13	SH	X							
-6/ 093822- HS -			1	003	\perp	-	╨	—	X				_ _			
-62 093822- HS -63 093822- HS				1004	-	₩-	+	}	X						 	
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-66 093822- HS	-AJ-5.5			1008			1		×					_		
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or requisited by: (signature)	Date:	O/IO P	230	Received by:	(signature)	<u>ag</u>			1		у		Day	-	that the	TAT can be achieved
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elinquished by: (signature)	Date :	Time:	F	Received by:	(signature)		_		MANUA				REQUIRED		Juments	ornemarks:
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									CAU	77)ON	1-P01	entic	dele	valec	l RiBs	5/19/2010

Page 6 of 10



Chain-of-Custody Re	cord			Laboratory: Accutest Laboratory Job #								المصيمة		
	780			Same of the same o	P	roject	Info	rmation	(Lab	use only)		<u> (1915791)</u>		
	Project Na	ame: Canton	Airport				- Among - Calif	Project Locat		on, MA		Page 7 of 9		
GEI Consultants	Project No	ımber: 0938	2-2					Project Manag	ger: Anne	Leifer		' '		
400 Unicorn Park Drive	Send Repo	ort to:	Ray Sieg	ener					Pr	eservative				
Woburn, MA 01801 PH: 781.721.4000								None				Sample Handling		
FX: 781.721.4073	Send EDD	to: labdata(@geiconsu	Itants.con	ו			Note		Analysis		Samples Field Filtered		
CP PRESUMPTIVE CERTAINTY	REQUIRED .	YES) 1	NO D						1			YES (NO) NA		
Yes, Are MCP Analytical Methods	Required?		(YES)	NO	NA		Sub	soxlet						
Yes, Are Drinking Water Samples	•		YES	(NO)	NA NA			manual				Sampled Shipped With Ice		
Yes, Have You Met Minimum Fiel		nts?	YES	NO	NA			E E		1 1		YES NO		
Lab Sample		Coller]			100	PCBs by extraction				(L3) NO		
Number GEI Sam		Date	Time	Matrix	No. of Bottles	Samp Initi		ext PC	- 1			Sample Specific Rema		
-7/ 093822- HS - AT		5/20/16	1014	So	1	SS	1	X				- Campio opcomo rema		
-72 093822- H3 -AT		<u> </u>	1015		1	ļ.,		X						
-73 093822- HS - AC		$\vdash \vdash$	1016	├	₩-	\sqcup		X		1				
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-78 093822-HS-A	2-75		1021	Π		$\dagger \dagger$		$\hat{\mathbf{x}}$		++				
-79 093822-HS-AS	-35		1033					X						
-50 093822- HS - A		<u> </u>	1023		1			×						
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	•							CAUTION -	Palent	hal ale	loved DOIR	-		

Page 7 of 10



Chain-of-Custody Rec	ord			Labora	atory:	Accu	test			Labo (Lab us	ratory Jo	b#	maitor
	Control of the contro	W	15.00 m	1994	P	roject	Info	rmation	ANTON CO.	(Lab us	6		<u>ו 1/9</u> כורן ו
	Project Name: Canton Airpor							Project	Location:	Canton,	МА		Page 🗸 of 🔾
GEI Consultants	Project Nu	mber: 0938	2-2					Project	Manager:	Anne Le	ifer		
400 Unicorn Park Drive	Send Repo	rt to:	Ray Sieg	ener				ally sylven in		Pres	ervative		
Woburn, MA 01801 PH: 781.721.4000			_					None					Sample Handlin
FX: 781.721.4073	Send EDD	to: labdata(@geiconsu	Itants.cor	n			10110	1	An	alysis		Samples Field Filtered
ICP PRESUMPTIVE CERTAINTY RE	QUIRED	YES) 1	10	(SOF) or SOF SOF SOF SOF SOF SOF	1000			soxlet		Castro Cab Maria			YES NO N
Yes, Are MCP Analytical Methods Re	equired?		YES	NO	NA	the spanish of the second	<u> </u>		İ				Sampled Shippe
Yes, Are Drinking Water Samples Su	bmitted?		YES	(NO)) NA			manual					With Ice
Yes, Have You Met Minimum Field C	C Requireme	nts?	YES	NO	NA			ا <u>د</u> اق خ	ļ				YES NO
Lab Sample		Collec	8 TO 18 SEC. J		No. of	Samp	ler(s)	PCBs by r extraction					
Number GEI Sample - 83 093822-H5 - AJ - 10		Date	Time	Matrix	Bottles	Init	als			-		<u> </u>	Sample Specific Rema
-84 093822-H5-AK-1		5/20/10	1096	80	1	22	<u>H</u>	×		+			
-\$5 093822HS-AL-10			1028	\Box	++-	+		 				 	
-86 093822-H5-AM-	10.5		1029			T		×		1			
-87 093822-H5-AN-			1030					X					
-88 093822-HS -40 -1			1031	Н_	+-	\sqcup		×					
-89 093822-HS-AP- -90 093822-HS-AQ-		 - - - - 	1032	+-	 - 	\vdash		×		-			
-91 093822-H5-A2-1			1033 1034	+-	+	\vdash		×	-	 		 	
-92 093822-HS-AS-AS-A			1035			\Box		$\frac{1}{x}$	<u> </u>		 		
-93 093822-HS-AT-			1036					×					
- 이식 093822- H 5 - A G , ICP Level Needed: GEI requires the	5 - 10	A (12) (2) (3) (4)	1037	Y	<u> </u>	Ψ	SERVICE OF	X	W. Ellistic Carloman				
henever possible	most sungen	i wethod i w	ice standa	ara de me	et for all ar	alytes				around T Iness da			submitting rush ound samples, you mu
elinquished by sampler: (signature)	Date:	Time:	Received by:	(signature)	,			N	lormalX		ther		the laboratory to confirm
linguished by: (signature)	5/20/10	1530	1. OC/	<u> </u>	dgr_				10-Day	7-1	Day	that th	e TAT can be achieved
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1 an Dango	5/21/10	1236	3.	roll	ded			MANUAL	SOXLET EX	RACTION	REQUIRED.		
elinquished by: (signature)	Date :	Time:	Received by:	(signature)	del			DCR RAT	TES APPLY.				
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								C407	DON - 1	dent	al ele	vated R	Bs

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Chain-of-Custody Red	cord			Labora	atory:	Accutest			ACCUPANT OF THE PARTY OF THE PA	oratory	Job#		M915791
1000°	Mark Tolk			1. 1. 10. 10. 10. 10. 10. 10. 10. 10. 10	P	roject Info	rmation	Y.	/(rabu	se only)	er er Mil Sanga		<u> </u>
	Project Na	me: Canton	Airport				Projec	t Locatio	n: Canton	, MA			Page 9 of 9
GELConsultants	Project No	ımber: 09382	2-2					Project Manager: Anne Leifer				Ţ · '	
400 Unicorn Park Drive Woburn, MA 01801	Send Repo	ort to:	Ray Sieg	ener					Pres	ervative			
PH: 781.721.4000	Sand EDD	to: labdata@	Danina na u	ltanta aa-	_		None						Sample Handling
FX: 781.721.4073	Send EDD	to. iabdata@	ygeiconsu	suitants.com							Samples Field Filtered		
MCP PRESUMPTIVE CERTAINTY F	REQUIRED	YES) N	10				soxlet			· I			YES NO NA
If Yes, Are MCP Analytical Methods I	Required?		YES	NO	NA								Sampled Shipped
If Yes, Are Drinking Water Samples			YES	(NO)	NA		manual						With Ice
If Yes, Have You Met Minimum Field	QC Requireme		YES :	NO	NA T		tion of				İ		YES NO
Lab Sample Number GEI Sampl	ė ID	Date	Time	Matrix	No. of Bottles	Sampler(s)	PCBs by n extraction						
-95 093822 - HS -4		5/20/10	1038	So	1	SSH	×						Sample Specific Rema
	169.5	<u> </u>	1039	-1-			×						
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Relinquished by sampler: (signature)	Date)	Time:	Received by:	(signature)		<u>-</u>		Normal		Other _		notify the	laboratory to confirm
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6tI Sange Pridge	e 5/21/10	1235	2. Jan	m Da	ino/s	,		5-Day _		Day Require	ments/	Comments	/Remarks:
delinquished by: (signature)	Date: 5/21//0	Time: /236	Received by:	(signature)		_	MANUA		EXTRACTION				<u></u>
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1. Willands	Spelo	1525		NC	2.0		DCR RA	ATES APPL	Υ.				
The state of the s	FU-4100		<u> </u>	<u>cere</u>	W.X	· · · · ·	CA	UTYON	- Potc	26/21	0/0:5	Lon AD	•
								- 1 1 4 1 1					5/19/2010 tes\Chain of Custody

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Kristen Blanchard

Mark Warren From:

Tuesday, August 31, 2010 2:42 PM Sent:

Kristen Blanchard

Subject: GE! Study projects

Hi Kristen,

Here is the breakdown:

The following need to be logged in for soxhlet extraction and 8082 analysis:

M91651-111T ("U" is next job) M91651-112T M91081-9R ("T" is next job)

All of these samples have been diluted with sand (by me) – so I've created a separate aliquot (this should go in the Comments field).

The following need to be logged in for PFE (ASE) extraction and 8082 analysis:

M91909-28R ("T" is next job) AND...

Logged in for soxhlet extraction and 8082 analysis (at a dilution by me).

The following needs to be logged in for PFE (ASE) extraction and 8082 analysis:

M91579-62T ("U" is next job).

This sample has been diluted by me.

The following needs to be logged in for soxhlet extraction and 8082 analysis:

M91081-7

I need to dilute this with sand.

Mark Warren

Accutest Laboratories of NE Voice: 508.481.6200 Ext. 247 Fax: 508.481.7753

markw@accutest.com Accutest - "The national Testing Laboratory with Total Performance you can count on"

M91579U: Chain of Custody Page 10 of 10



9/1/2010



Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

	Exhibit VII A
July 1, 2010	Revision No. 1
Final	Page 13 of 38

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

	MassDEP Analytical Protocol Certification Form										
Labor	atory Name:	Accutest Laboratorie	s of New England		Project #:	M91579L	J				
Projec	ct Location:	Canton Airport Canto	on MA		MADEP RTN	None					
1	This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s) M91579-62U										
Matrice	es: Groundwate	r/Surface Water ()	Soil/Sediment (X)	Drinking Water ()	Air ()		Other	()			
CAM F	CAM Protocol (check all that apply below):										
1	8260 VOC () CAM IIA	7470/7471 Hg () CAM III B	MassDEP VPH ()	8081 Pesticides (CAM V B) 7196 Hex Cr CAM VI B	()	Mass DEP APH	()			
1	8270 SVOC () CAM II B	7010 Metals ()	MassDEP EPH ()	8151 Herbicides (CAM V C) 8330 Explosives CAM VIII A	()	TO-15 VOC CAM IX B	()			
1	6010 Metals () CAM III A	6020 Metals () CAM III D	8082 PCB (X) CAM V A	9014 Total () Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	()					
	Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status										
Α	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? Were the analytical method(s) and all associated QC requirements specified in the selected CAM										
В	protocol(s) followed?		✓ Y	es 🗌 No							
Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?							es 🗌 No				
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A,										
E		I TO-15 only: PH Methods only: Wa fer to the individual m		•		✓ Y	es 🗌 No				
	b. APH and TO-15 M	ethods only: Was the	complete analyte lis	st reported for each r	method?		es 🗌 No				
	• • •	CAM protocol QC and boratory narrative (inc	•			✓ Y	es				
	Responses to ques	tions G, H, and I belo	ow is required for "	Presumptive Certai	inty" status						
	Were the reporting lin	mits at or below all CA	M reporting limits sp	ecified in the		✓ Y	es 🗌 No	1			
		ta that achieve "Pres less requirements de				data usea	ability				
Н	Were all QC perform	ance standards speci	fied in the CAM prot	ocol(s) achieved?		✓ Y	es 🗆 No	1			
	•	d for the complete and	•	•			es □ No	1			
		ses must be addres				tive.					
inquii	ry of those responsi	under the pains and ible for obtaining the best of my knowled	information, the n	naterial contained in	n this						
Signa	nture:	on full		Position: La	aboratory Director						
Printe	ed Name:	Reza Tand		Date:	09/14/2010						



Internal Sample Tracking Chronicle

GEI Consultants, Inc.

M91579-62USW846 8082

Job No: M91579U

P8082MCP

Canton Airport Canton MA Project No: 09382-2

Sample Number	Method	Analyzed	Ву	Prepped	Ву	Test Codes	
M91579-62 093822-HS	CCollected: 20-MAY-10 -AF-5.5	0 10:04 By: SSH	Recei	ved: 21-MA`	Y-10 I	By: JB	

13-SEP-10 BJ

13-SEP-10 22:39 CZ



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary Job Number: M91579U

GEI GEI Consultants, Inc. Account: **Canton Airport Canton MA Project:**

Sample OP22635-MB	File ID BE21086.D	DF 1	Analyzed 09/13/10	By CZ	Prep Date 09/13/10	Prep Batch OP22635	Analytical Batch GBE1318	

The QC reported here applies to the following samples: Method: SW846 8082

M91579-62U

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	98	ug/kg	
11104-28-2	Aroclor 1221	ND	98	ug/kg	
11141-16-5	Aroclor 1232	ND	98	ug/kg	
53469-21-9	Aroclor 1242	ND	98	ug/kg	
12672-29-6	Aroclor 1248	ND	98	ug/kg	
11097-69-1	Aroclor 1254	ND	98	ug/kg	
11096-82-5	Aroclor 1260	ND	98	ug/kg	
37324-23-5	Aroclor 1262	ND	98	ug/kg	
11100-14-4	Aroclor 1268	ND	98	ug/kg	
CAS No.	Surrogate Recoveries		Limi	ts	
877-09-8	Tetrachloro-m-xylene	112%	30-15	50 %	
877-09-8	Tetrachloro-m-xylene	114%	30-15	50 %	
2051-24-3	Decachlorobiphenyl	113%	30-15	50 %	
2051-24-3	Decachlorobiphenyl	121%	30-15	50 %	



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Method: SW846 8082

Blank Spike/Blank Spike Duplicate Summary

Job Number: M91579U

Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

OP22635-BSD BE21088.D 1 09/13/10 CZ 09/13/10 OP22635 GBE1318	Sample OP22635-BS OP22635-BSD	File ID BE21087.D BE21088.D	DF 1 1	Analyzed 09/13/10 09/13/10	By CZ CZ	Prep Date 09/13/10 09/13/10	Prep Batch OP22635 OP22635	Analytical Batch GBE1318 GBE1318
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The QC reported here applies to the following samples:

M91579-62U

2051-24-3 Decachlorobiphenyl

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5 37324-23-5	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262 Aroclor 1268	258 258	265 ND ND ND ND ND 313 ND	103 121	280 ND ND ND ND ND 296 ND ND	106 112	6 nc nc nc nc nc nc nc	40-140/30 40-140/30 40-140/30 40-140/30 40-140/30 40-140/30 40-140/30 40-140/30
CAS No. 877-09-8 877-09-8 2051-24-3	Surrogate Recoveries Tetrachloro-m-xylene Tetrachloro-m-xylene Decachlorobiphenyl	BSP 101% 112% 116%	107 111 106	% .%	Limits 30-1509 30-1509 30-1509	6		

114%

30-150%

124%



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Semivolatile Surrogate Recovery Summary

Job Number: M91579U

Account: GEI GEI Consultants, Inc. Canton Airport Canton MA Project:

Method: SW846 8082 Matrix: SO

Samples and QC shown here apply to the above method

Lab Lab	
Sample ID File ID S1 a S1 b S2 a	S2 b
•	
M91579-62U BE21089.D 102.0 106.0 109.0	116.0
OP22635-BS BE21087.D 101.0 112.0 116.0	124.0
OP22635-BSD BE21088.D 107.0 111.0 106.0	114.0
OP22635-MB BE21086.D 112.0 114.0 113.0	121.0

Surrogate Recovery Compounds Limits

S1 = Tetrachloro-m-xylene30-150% S2 = Decachlorobiphenyl 30-150%

(a) Recovery from GC signal #1 (b) Recovery from GC signal #2

